CONTENTS OF VOLUME 2 (1980)

R.D. Burke and F.S. Chia	
Morphogenesis of the digestive tract of the pluteus larva of Strongylocentrotus pur-	
puratus: sphincter formation	1
R.D. Burke	
Morphogenesis of the digestive tract of the pluteus larva of Strongylocentrotus pur-	
puratus: shaping and bending	13
C. Lattaud	, ,
Demonstration by organ culture of a cerebral hormone stimulating the secretion of	
testicular androgen in the oligochaete annelid, <i>Eisenia foetida</i> f. <i>typica</i> Sav.	23
B. Crawford and F.S. Chia	
Induction and development of exogastrulae in the starfish, <i>Pisaster Ochraceus</i>	37
S. Varadarajan and T. Subramoniam	0,
Histochemical investigations on vitellogenesis of an anomuran crab, <i>Clibanarius</i>	
clibanarius	47
P.M. Barrer and R.J. Hill	7/
Insect-oriented locomotor responses by unmated females of <i>Ephestia cautella</i>	
(Walker) (Lepidoptera: Phycitidae)	59
A. Picard	55
Spermatogenesis and sperm—spermatheca relations in <i>Spirorbis spirorbis</i> (L.)	73
V.K. Brown	, 0
Developmental strategies in <i>Ectobius pallidus</i> (Dictyoptera: Blattidae)	85
G. Anilkumar and K.G. Adiyodi	00
Ovarian growth, induced by eyestalk ablation during the prebreeding season, is not	
normal in the crab, <i>Paratelphusa hydrodromous</i> (Herbst)	95
M. Rubiliani-Durozoi, C. Rubiliani et G.G. Payen	00
Déroulement des gamétogenèses chez les Crabes Carcinus maenas (L.) et C. mediter-	
raneus Czerniavsky parasités par la Sacculine	107
M.S. Fuchs, B.R. Sundland and Suk-Hee Kang	, , ,
In vivo induction of ovarian development in Aëdes atropalpus by a head extract	
from Aëdes aegypti	121
R. Freitag, J.E. Olynyk and B.L. Barnes	-
Mating behavior and genitalic counterparts in tiger beetles (Carabidae: Cicindelinae)	131
mating pondrior and gorntaine counterparts in tiger poeties (eards lader ordinational)	
Announcements	137
K.S. Tweedell	
The activation of gamete migration, maturation and spawning in <i>Pectinaria gouldii</i>	139
D. Borovsky and E. Van Handel	
Synthesis of ovary-specific proteins in mosquitoes	153
	165
J.B. Dumser In vitro effects of ecdysterone on the spermatogonial cell cycle in Locusta	165

M. Deecaraman and T. Subramoniam	
Male reproductive tract and accessory glands of a stomatopod, Squilla hologschista G.W. Hinsch	175
Spermiogenesis in <i>Coenobita clypeatus</i> , I. Sperm structure Hydra size and budding rate: influence of feeding	189 199
Short communication B.K. Senapati	
A note on hatching of a 'two-tailed' earthworm from India P.J.W. Olive and M.G. Bentley	203
Hormonal control of oogenesis, ovulation and spawning in the annual reproductive cycle of the polychaete, <i>Nephtys hombergii</i> Sav. (Nephtyidae)	205
P. Juchault, G. Martin et J.J. Legrand Induction par la température d'une physiologie mâle chez les néo-femelles et les intersexués du Crustacé Oniscïde Armadillidium vulgare Latr., hébergenat un	
bactéroïde à action féminisante N.A. Engstrom	223
Reproductive cycles of <i>Holothuria</i> (<i>Halodeima</i>) <i>floridana</i> , <i>H.</i> (<i>H.</i>) <i>mexicana</i> and their hybrids (Echinodermata: Holothuroidea) in southern Florida, U.S.A. <i>W.L. Maxwell</i>	237
Distribution of glycogen deposits in two euthyneuran sperm tails	245
Minireview	
T.L. Simpson	
Reproductive processes in sponges: a critical evaluation of current data and views C. da Cruz-Landin and D. Beig	251
An electron microscopic study of spermatogenesis in the drone of <i>Scaptotrigona</i> postica (Hymenoptera, Apidae) A. Dhainaut, M. Porchet et F. Fontaine	271
Identité immunologique et métabolique entre le liquide coelomique, les coelomocytes et les ovocytes de <i>Perinereis cultrifera</i> (Annélide Polychète) A.M. Khurad and V.K. Thakare	285
Cytology and histochemistry of the ovary in the buffalo-fly, Lyperosia exigue (De Meijere) (Diptera: Muscidae) D.J. Wildish	297
Reproductive bionomics of two sublittoral amphidpods in a Bay of Fundy estuary <i>MF. Gallissian</i>	311
Étude ultrastructurale de la fécondation chez <i>Grantia compressa</i> F. Z. Swiderski	321
The fine structure of the sperm bundles of the coccid, <i>Aspidiotus perniciosus</i> Cumst., and sperm movement <i>JL. Picaud</i>	331
Vitellogenin synthesis by the fat body of <i>Porcellio dilatatus</i> Brandt (Crustacea, Isopoda)	341

B.J. Cook, J.M. Thompson and W.D. Shelton	
Some structural and functional properties of nerves and muscles in the oviduct of	
the pink bollworm moth, Pectinophora gossypiella (Saund.)	351
T. Briers and A. de Loof	
The molting hormone activity in Sarcophaga bullata in relation to metamorphosis	
and reproduction	363
S. Y. Takahashi, S. Higashi, S. Minoshima, M. Ogiso and K. Hanaoka	
Trehalases from the American cockroach, <i>Periplaneta americana</i> : multiple occurrence of the enzymes and partial purification of enzymes from male accessory	
glands	373
Subject Index to Volume 2	383